ARCHIVES OF

OPHTHALMOLOGY

Continuing the Publication
FOUNDED BY HERMAN KNAPP, 1869

EDITORIAL BOARD

ARNOLD KNAPP, Chief Editor
10 East Fifty-Fourth Street, New York 22

WILLIAM ZENTMAYER, Philadelphia
W. L. BENEDICT, Rochester, Minn.
FREDERICK C. CORDES, San Francisco
FRANCIS HEED ADLER, Philadelphia
DAVID G. COGAN, Boston

VOLUME 33
1945

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO, ILL.

CONTENTS OF VOLUME 33

JANUARY 1945. NUMBER 1

PAGE

Elementary Illumination for the Ophthalmologist. LeGrand H. Hardy, M.D., and Gertrude Rand, Ph.D., New York 1

Analysis of Cases of Aniseikonia. Beulah Cushman, M.D., Chicago 9

Unusual Forms of Nystagmus, with a Review of the Literature. Lieutenant Colonel Henry C. Smith and Captain F. Regis Riesenman, Medical Corps, Army of the United States. 13

Dibutoline Sulfate: A New Mydriatic and Cycloplegic Drug. Kenneth C. Swan, M.D., and Norman G. White, M.S., Iowa City 16

Estimation of Uncorrected Visual Acuity in Malingerers. Major Harry Eggers, Medical Corps, Army of the United States 23

Quereau-Putnam Tropophorometer. J. VanDyke Quereau, M.D., and Otto A. Putnam, B.S., Reading, Pa 28

Hydrogen Ion Concentration of the Vitreous in the Living Eye. Ludwig von Sallmann, M.D., with the Technical Assistance of Miss Jeanette Di Grandi, New York 32

After-Image Perimetry: A Rapid Method of Obtaining Visual Fields; Preliminary Report. W. P. Williamson, M.D., New York 40

Penetration of Penicillin in Rabbit Eyes with Normal, Inflamed and Abraded Corneas. Irving H. Leopold, M.D., D.Sc., and William O. LaMotte Jr., M.D., Philadelphia 43

Epidemic Keratoconjunctivitis. Alson E. Braley, M.D., New York 47

Brucellosis. Lieutenant Commander Harold J. Harris (MC), U.S.N.R. 56

Sulfadiazine in Treatment of Dacryocystitis of the Newborn. Lieutenant Colonel G. Victor Simpson, Medical Corps, Army of the United States 62

Clinical Notes:
Accidental Vaccinia of the Eyelid with Disciform Keratitis. Aaron Brav, M.D., Philadelphia 67

Ophthalmologic Reviews:
Optochiasmic Arachnoiditis. Edward Hartmann, M.D., New York 68

Correspondence:
Paresis of Right Superior Oblique and of Left Superior Rectus Muscle: Differential Diagnosis. James W. Smith, M.D., New York 77

Abstracts from Current Literature 78

Society Transactions:
New York Academy of Medicine, Section of Ophthalmology 82

News and Notes 88

Directory of Ophthalmologic Societies 89

FEBRUARY 1945. NUMBER 2

Retinal Changes Associated with Diabetes and with Hypertension: A Comparison and Contrast. A. J. Ballantyne, M.D., Glasgow, Scotland 97

An Unusual Type of Keratitis Associated with Exposure to N-Butyl Alcohol (Butanol). David G. Cogan, M.D., and W. Morton Grant, M.D., Boston 106

Diffuse Neurofibromatosis (von Recklinghausen's Disease) Involving the Bulbar Conjunctiva: Report of a Case, with Lesions of the Skeletal System and Skin, Bodily Asymmetry and Intracranial Involvement. Francisco Páez Allende, M.D., Santa Fé, Argentina 110

FEBRUARY—*Continued*

PAGE

Astigmatism at Oblique Axes and Binocular Stereoscopic Spatial Localization. Kenneth N. Ogle, Ph.D., and Leo F. Madigan, M.S., Hanover, N. H. ... 116

Cyclopia and Arhinia: A New Concept. Joseph Krafka Jr., M.D., Augusta, Ga. ... 128

Ocular Defects in Sixty Thousand Selectees. Captain Arthur H. Downing, Medical Corps, Army of the United States ... 137

Syndrome of Nonsyphilitic Interstitial Keratitis and Vestibuloauditory Symptoms. David G. Cogan, M.D., Boston ... 144

Clinical Notes:
A Simple Technic for Corneal Transplantation. Martin I. Green, M.D., San Francisco. 150
Industrial Injuries of the Eye Caused by Flying Objects. Paul Winslow Tisher, M.D., New Britain, Conn. ... 152

Abstracts from Current Literature ... 155

Society Transactions:
Association for Research in Ophthalmology, Inc. ... 160

News and Notes ... 163

Book Reviews ... 164

Directory of Ophthalmologic Societies ... 165

MARCH 1945. NUMBER 3

Ocular Effects of Altitude Flying and of Deep Sea Diving. Captain Leon D. Carson (MC), U.S.N. ... 173

Herpes Simplex Keratitis in Malaria: Clinical and Experimental Study. Captain Webb P. Chamberlain Jr. and Captain Lewis H. Bronson Jr., Medical Corps, Army of the United States ... 177

Toxoplasmosis: Report of Ocular Findings in Infant Twins. Parker Heath, M.D., and Wolfgang W. Zuelzer, M.D., Detroit ... 184

Factors Affecting Hemorrhage Following Extractions of Cataracts. E. Eugene Neff, M.D., Madison, Wis. ... 192

Glaucoma Due to Peripheral Anterior Synechias After Operation for Cataract. Peter C. Kronfeld, M.D., and Joseph S. Haas, M.D., Chicago ... 199

Retrolental Fibroplasia in Premature Infants: V. Further Studies on Fibroplastic Overgrowth of Persistent Tunica Vasculosa Lentis. T. L. Terry, M.D., Boston ... 203

Two Unusual Ocular Tuberculomas. P. H. Boshoff, M.D., and E. Grasset, M.D., Johannesburg, South Africa ... 209

Intravitreal Penetration of Penicillin and Penicillin Therapy of Infections of the Vitreous. Irving H. Leopold, M.D., D.Sc., with the Technical Assistance of Marjorie Wiley, B.A., Philadelphia ... 211

Cyclopia Completa and Arhinencephalia Completa with Umbilical Hernia in a Full Term Child: Report of a Case. James E. Kindred, Ph.D., Charlottesville, Va. ... 217

Development of Galactose Cataract in the Albino Rat Embryo. Stephanie L. Bannon, M.A.; Roberta M. Higginbottom, M.A.; Jeannette M. McConnell, M.A., and Helen W. Kaan, Ph.D., Wellesley, Mass. ... 224

Frequency and Location of Punctate Opacities in Three Hundred Young Crystalline Lenses. Major John Bellows, Medical Corps, Army of the United States ... 229

Total Herpes Zoster of the Ophthalmic, Maxillary and Mandibular Divisions of the Trigeminal Nerve: Report of a Case in Which There Was Also Involvement of the Geniculate Ganglion and the Vestibular Portion of the Eighth Cranial Nerve. Hugh O'Neill, M.D., Santa Ana, Calif. ... 237

Ophthalmic Requirements of the Military Services: Changes from Jan. 1, 1944 to Jan. 1, 1945. Charles A. Bahn, M.D., New Orleans ... 245

Abstracts from Current Literature ... 247

MARCH—*Continued*

PAGE

News and Notes 253

Society Transactions:
New York Academy of Medicine, Section of Ophthalmology 254

Directory of Ophthalmologic Societies 257

APRIL 1945. NUMBER 4

Choice of Operation for Primary Glaucoma Combined with Cataract. Jack S. Guyton, M.D., Baltimore 265

Resection of the Levator Palpebrae Muscle for Ptosis, with Anatomic Studies. Raynold N. Berke, M.D., Hackensack, N. J. 269

Uveitis, with Poliosis, Vitiligo, Alopecia and Dysacousia (Vogt-Koyanagi Syndrome). Captain Emanuel Rosen, Medical Corps, Army of the United States 281

Meridional Aniseikonia at Oblique Axes. Hermann M. Burian, M.D., and Kenneth N. Ogle, Ph.D., Hanover, N. H. 293

Heterochromia Sympathica. P. H. Boshoff, M.D., and J. J. Theron, M.D., Johannesburg, South Africa 311

Clinical Notes:
Plastic Corneal Bath for Application of Penicillin. Captain Hugh A. G. Duncan, Royal Canadian Army Medical Corps 313

Correspondence:
Bilateral Infantile Glaucoma Associated with Bilateral Congenital Hemangioma. Emanuel Rosen, Captain, Medical Corps, Army of the United States 315
Retinal Changes Associated with Diabetes and with Hypertension. Herman Elwyn, M.D., New York 315
Illumination for Ophthalmologists.
Matthew Luckiesh, Cleveland 316
LeGrand H. Hardy, M.D., and Gertrude Rand, Ph.D., New York 317
Incompatibility of Silver Nitrate and Sulfathiazole. A. M. Culler, Commander (MC), U.S.N.R. 317
Defects in the Visual Field Produced by Hyaline Bodies in the Optic Disks.
Jack V. Lisman, M.D., New York 317
C. W. Rucker, M.D., Rochester, Minn 318

Obituaries:
Ellice M. Alger, M.D. 319
Thomas Harrison Butler, D.M. (Oxford), F.R.C.S. 321
Mark J. Schoenberg, M.D. 322

Abstracts from Current Literature 324

News and Notes 328

Society Transactions:
New York Academy of Medicine, Section of Ophthalmology 329

Directory of Ophthalmologic Societies 333

MAY 1945. NUMBER 5

Inherited Cataract in the B. Genealogy: Occurrence of Diverse Types of Cataract in the Descendants of One Person. Frank C. Lutman, M.D., and James V. Neel, Ph.D., M.D., Rochester, N. Y. 341

Surgical Management of Glaucoma in Correlation with Gonioscopy and Biomicroscopy. Samuel J. Meyer, M.D., and Paul Sternberg, M.D., Chicago 358

Pathologic Physiology of Convergent Strabismus: Motor Aspects of the Nonaccommodational Type. Francis Heed Adler, M.D., Philadelphia 362

Use of Methyl Cellulose in Ophthalmology. Kenneth C. Swan, M.D., Portland, Ore. 378

Ophthalmic Prisms: Corrective and Metric. LeGrand H. Hardy, M.D.; Robert R. Chace, M.D., and Maynard C. Wheeler, M.D., New York 381

MAY—*Continued*

PAGE

Ocular Sequelae of Administration of General Anesthesia: Paralysis of the Superior Rectus Muscle, Exophthalmos, Pseudoptosis and Fibrosis of the Inferior Rectus Muscle Following an Operation for Pilonidal Cyst with the Patient Under General Anesthesia. Conrad Berens, M.D., New York, and Captain Gerald Fonda, Medical Corps, Army of the United States 385

Glaucoma Associated with Nevus Flammeus: Report of a Case. Major Erwin E. Grossmann, Medical Corps, Army of the United States 389

Pathogenesis of Glaucoma. Leo Hess, M.D., Boston 392

Ophthalmologic Features of Intracranial Chordoma and Allied Tumors of the Clivus. Isadore Givner, M.D., New York 397

Use of Troncoso's Magnesium Implant in Cyclodialysis for Relief of Glaucoma: Observations in Two Cases. P. H. Boshoff, M.D., Johannesburg, South Africa 404

Clinical Notes:
Gonorrheal Choroiditis Treated with Penicillin. Lieutenant Herman Krieger Goldberg (MC), U.S.N.R. 406

Abstracts from Current Literature 407

Society Transactions:
College of Physicians, Philadelphia, Section on Ophthalmology 415

News and Notes 420

Directory of Ophthalmologic Societies 421

JUNE 1945. NUMBER 6

Treatment of Bilateral Retinoblastoma (Retinal Glioma) Surgically and by Irradiation: Report on Progress. Hayes Martin, M.D., and Algernon B. Reese, M.D., New York. 429

Ocular War Neuroses. Captain Henry L. Birge, Medical Corps, Army of the United States 440

Electron Microscopic Observations on Bacteriolysis Produced by Lysozyme of Tears. B. Babudieri, M.D., and G. B. Bietti, M.D., Rome, Italy 449

Penicillin Therapy of Infections of the Vitreous. Ludwig von Sallmann, M.D., New York. 455

Influence of Local Application of Sulfonamide Compounds and Their Vehicles on Regeneration of Corneal Epithelium. Irving H. Leopold, M.D., D.Sc., and Willard H. Steele, M.D., Philadelphia 463

Choroideremia: Report of a Case. H. Magder, M.D., Montreal, Canada 468

Parinaud's Oculoglandular Syndrome Due to a Yeastlike Organism. Major Frederick H. Theodore, Medical Corps, Army of the United States 471

Management of Paralysis of Divergence. Samuel Kamellin, M.D., Chicago 476

Visual Exercises in Ophthalmology. Joseph I. Pascal, M.D., New York 478

Clinical Notes:
A Modified Sling Operation for Correction of Ptosis. Joseph Laval, M.D., New York. 482

Correspondence:
Illumination for the Ophthalmologist. Joseph I. Pascal, M.D., New York 484

Book Reviews 484

Abstracts from Current Literature 485

Society Transactions:
New York Academy of Medicine, Section of Ophthalmology 493
College of Physicians, Philadelphia, Section on Ophthalmology 495

Obituaries:
Joseph Imre, M.D. 497

News and Notes 498

Directory of Ophthalmologic Societies 499

General Index 507